



Standards *Actions*

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will provide selected reviewers with copies for comment. The full text of these documents is available on the Technical Standards Program (TSP) Web Site at the URL shown at the bottom of this page. If you wish to comment on these documents, please notify your TSM.

- *Content of System Design Descriptions*, Project Number EDCO-0001; John Fredlund, DP-45; 301-903-3059, FAX 301-903-8754, Fredlund@dpmail.dp.doe.gov, comments due May 15, 1998.

DOE Documents Recently Published

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-5728.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-487-4650 or FAX 703-321-8547.

Copies of DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the bottom of this page. The following document was recently added to the TSP Web Page:

- DOE-HDBK-1113-97, *Radiological Safety Training for Uranium Facilities*, February 1998.

Proposed Cancellations of DOE Technical Standards

The following DOE technical standards have been proposed for cancellation:

- DOE-HDBK-1085-95, *DOE Enforcement Program Roles and Responsibilities*, August 1995.
- DOE-HDBK-1087-95, *Enforcement of DOE Nuclear Safety Requirements*, June 1995.
- DOE-HDBK-1089-95, *Guidance for Identifying, Reporting and Tracking Nuclear Safety Noncompliances*, December 1995.

The Office of Enforcement and Investigation (EH-10) has determined that the above handbooks should be withdrawn from the directives system and re-issued as EH-10 implementing procedures. If no objections to this action are received prior to May 29, 1998, cancellation of the documents will proceed. Any questions or comments should be directed to Keith Christopher, EH-10, 301-903-0100, FAX: 301-903-0081, Keith.Christopher@hq.doe.gov.

- DOE-STD-1077-94, *Training Accreditation Program Standard: Requirements and Guidelines*, Project Number TRNG-0004; John A. Yoder, EH-31, 301-903-5650; FAX: 301-903-6172; John.Yoder@hq.doe.gov, comments due May 29, 1998. DOE Order 5480.18B, *Nuclear Facility Accreditation Program*, which

mandated the use of DOE-STD-1077-94, was canceled on December 20, 1996. DOE-STD-1077-94 has been replaced by DOE-STD-1070-95, *Guidelines For Evaluation of Nuclear Facility Training Programs*. Please direct all comments and inquiries to John A. Yoder.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in

ANSI Standards Action. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email sbose@ansi.org. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952. ANSI has a World Wide Web site at the following URL: <http://web.ansi.org/>.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments.

Technical Standards Program Document Status as of 3/31/98

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	55	20	0

Total in process = 75



Visit the Technical Standards Program Web Site: <http://apollo.osti.gov/html/techstds/techstds.html>

The following American National Standards are currently in coordination:

- ANS 2.10, *Guidelines for Handling and Initial Evaluation of Records from Nuclear Power Plant Seismic Instrumentation* (new standard); comments due May 12, 1998.
- ASME BPVC Revision: 1998 Addenda, *ASME Boiler and Pressure Vessel Code* (revision of 12/12/97 Meeting); comments due May 12, 1998.
- ASME OMa-Code, *Code for Operation and Maintenance of Nuclear Power Plants* (supplement to ANSI/ASME OM-1990); comments due April 28, 1998.
- ASME OMB-S/G, *Standards and Guides for Operation and Maintenance of Nuclear Power Plants* (supplement to ANSI/ASME OM-S/G-1997); comments due April 28, 1998.
- ASTM Z7100Z, *Practice for In-Service Monitoring of Lubricating Oil for Auxiliary Power Plant Equipment* (new standard); comments due April 28, 1998.
- IAS PRD-1, *Basic Requirements for Compressed Natural Gas Vehicle (NGV) Fuel Containers* (new standard); comments due May 12, 1998.
- IEEE 693-1997, *Recommended Practices for Seismic Design of Substations [revision of ANSI/IEEE 693-1984 (R1991)]*; comments due May 12, 1998.
- ISEA 104, *Air Sampling Devices - Diffusive Type for Gases and Vapors in Working Environments* (new standard); comments due May 12, 1998.
- NEMA WC 67-1997, *Uninsulated Conductors Used in Electrical and Electronic Applications* (new standard); comments due April 28, 1998.
- NFPA 68-1998, *Guide for Venting of Deflagrations* (revision of ANSI/NFPA 68-1994); (for the NFPA Annual Meeting, May 17-21, 1998).
- NFPA 70B-1998, *Electrical Equipment Maintenance* (revision of ANSI/NFPA 70B-1994); (for the NFPA Annual Meeting, May 17-21, 1998).
- NFPA 285-1998, *Standard Method of Test for the Evaluation of Flammability Characteristics of Exterior Non-Load Bearing Wall Assemblies Containing Combustible Components Using the Intermediate Scale Multi-Story Test Apparatus* (new standard); (for the NFPA Annual Meeting, May 17-21, 1998).
- NFPA 1031-1998, *Professional Qualifications for Fire Inspector* (revision of ANSI/NFPA 1031-1993); (for the NFPA Annual Meeting, May 17-21, 1998).
- NFPA 1033-1998, *Professional Qualifications for Fire Investigator* (revision of ANSI/NFPA 1033-1993); (for the NFPA Annual Meeting, May 17-21, 1998).
- NFPA 1620-1998, *Recommended Practice for Pre-Incident Planning for Warehouse Occupancies* (new standard); (for the NFPA Annual Meeting, May 17-21, 1998).
- NFPA 8506-1998, *Heat Recovery Steam Generators* (revision of ANSI/NFPA 8506-1995); (for the NFPA Annual Meeting, May 17-21, 1998).
- UL 2079, *Standard for Safety for Tests for Fire Resistance of Building Joint Systems* (new standard); comments due April 13, 1998.
- Z16.5, *Occupational Safety and Health Incident Surveillance* (new standard); comments due April 28, 1998.

The following newly published American National Standards are available from ANSI:

- ANSI/ASME Y14.35M-1997, *Revision of Engineering Drawings and Associated Documents*.
- ANSI B11.21-1997, *Machine Tools - Machine Tools Using Lasers for Processing Materials - Safety Requirements for Design, Construction, Care, and Use*.
- ANSI Z245.41-1997, *Equipment Technology and Operations for Wastes and Recyclable Materials - Facilities for the Processing of Commingled Recyclable Materials - Safety Requirements*.

The following international standards are currently in coordination (comment due dates follow each entry):

- EN 50086-2-4:1994/prA1:1997, *Conduit systems for electrical installations - Part 2-4: Particular requirements for conduit systems buried underground* - May 14, 1998.
- ISO/DIS 5024, *Petroleum liquids and liquefied gases - Measurement - Standard reference conditions* (Revision of ISO 5024:1976) - May 5, 1998.
- ISO/DIS 13880, *Petroleum and natural gas industries - Content and drafting of technical specification* - May 5, 1998.
- prEN 12255-11, *Wastewater treatment plants - Part 11: General data* - July 5, 1998.
- prEN 13121-4, *GRP tanks and vessels for use above ground Part 4: Delivery, installation and maintenance* - June 22, 1998.
- prEN 13137, *Characterization of waste - Determination of total organic carbon (TOC) in waste* - June 22, 1998.
- prEN ISO 13090-1, *Mechanical vibration and shock - Guidance on safety aspects of tests and experiments with people - Part 1: Exposure to mechanical vibration and repeated shock* (ISO/FDIS 13090-1:1998) (for information).

The following newly published international standards are available from ANSI:

- IEC 60265-1:1998, *High-voltage switches - Part 1: Switches for rated voltages above 1 kV and less than 52 kV*.
- IEC 60904-2:1989/Amendment 1:1998, *Amendment 1: Photovoltaic devices - Part 2: Requirements for reference solar cells*.
- ISO 1171:1997, *Solid mineral fuels - Determination of ash content*.
- ISO 3874:1997, *Series 1 freight containers - Handling and securing*.
- ISO 4037-2:1997, *X and gamma reference radiation for calibrating dosimeters and dose rate meters and for determining their response as a function of photon energy - Part 2: Dosimetry for radiation protection over the energy ranges from 8 keV to 1,3 MeV and 4 MeV to 9 MeV*.
- ISO 5657:1997, *Reaction to fire tests - Ignitability of building products using a radiant heat source*.
- ISO 9000-3:1997, *Quality management and quality assurance standards - Part 3: Guidelines for the application of ISO 9001:1994 to the development, supply, installation and maintenance of computer software*.
- ISO 9120:1997, *Petroleum and related products - Determination of air-release properties of steam turbine and other oils - Impinger method*.

- ISO 10006:1997, *Quality management - Guidelines to quality in project management*.
- ISO 10304-4:1997, *Water quality - Determination of dissolved anions by liquid chromatography of ions - Part 4: Determination of chlorate, chloride and chlorite in water with low contamination*.
- ISO 10336:1997, *Crude petroleum - Determination of water - Potentiometric Karl Fischer titration method*.
- ISO 11599:1997, *Determination of gas porosity and gas permeability of hydraulic binders containing embedded radioactive waste*.
- ISO 11994:1997, *Cranes - Availability - Vocabulary*.
- ISO 12213-1:1997, *Natural gas - Calculation of compression factor - Part 1: Introduction and guidelines*.
- ISO 12900:1997, *Hard coal - Determination of abrasiveness*.
- ISO 13600:1997, *Technical energy systems - Basic concepts*.
- ISO 13736:1997, *Petroleum products and other liquids - Determination of flash point - Abel closed cup method*.
- ISO 13770:1997, *Aluminium alloy gas cylinders - Operational requirements for avoidance of neck and shoulder cracks*.
- ISO/IEC TR 13335-2:1997, *Information technology - Guidelines for the management of IT Security - Part 2: Managing and planning IT Security*.
- ISO/TR 9494:1997, *Petroleum liquids - Automatic pipeline sampling - Statistical assessment of performance of automatic samplers determining the water content in hydrocarbon liquids*.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). ASTM has a World Wide Web site at the following URL: <http://www.astm.org>. The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination:
(the due date for all items is April 10, 1998).

- New Standard, *Test Method for Determination of Bulk Density of Stockpiled Material Using Nuclear Backscatter Methods* (Ref. Z1997Z).
- New Standard, *Test Method for Evaluating Fenestration Components and Assemblies for Resistance to Impact Energies* (Ref. Z4947Z).
- New Standard, *Guide for Alkaline Stabilization of Wastewater Treatment Plant Residuals* (Ref. Z5194Z).
- New Standard, *Practice for Use of Scrap Tires in Civil Engineering Applications* (Ref. Z5499Z).

- New Standard, *Specification for Performance of Anchors in Cracked and Uncracked Concrete* (Ref. Z5819Z).
- New Standard, *Practice for Calculating Bending Strength Design Factors for Fire Retardant-Treated Plywood Roof Sheathing* (Ref. Z6799Z).
- New Standard, *Test Method for Fire Resistive Joint Systems* (Ref. Z6856Z).
- New Standard, *Specification for Gypsum Ceiling Board* (Ref. Z6921Z).
- New Standard, *Practice for Marking of Pallets* (Ref. Z6922Z).
- New Standard, *Practice for Compiling and Writing a Terminology* (Ref. Z6935Z).
- New Standard, *Terminology Relating to Terminology Management* (Ref. Z6936Z).
- New Standard, *Test Method for Measurement of Smoke Obscuration Using a Conical Radiant Source in a Single Closed Chamber, with the Test Specimen Oriented Horizontally* (Ref. Z6951Z).
- New Standard, *Practice for Derivation of Decision Point and Confidence Limit for Statistical Testing of Mean Concentration in Waste Management Decisions* (Ref. Z7095Z).
- New Standard, *Practice for Total Quality Assurance in the Petroleum Products and Lubricants Testing Laboratories* (Ref. Z7239Z).
- New Standard, *Practice for Applying Statistical Quality Assurance Techniques to Evaluate Analytical Measurement System Performance* (Ref. Z7240Z).
- D 388-97, *Classification of Coals by Rank* (revised standard).
- D 924-92, *Test Method for Dissipation Factor (or Power Factor) and Relative Permittivity (Dielectric Constant) of Electrical Insulating Liquids* (revised standard).
- E 176-97c, *Terminology of Fire Standards* (revised standard).
- E 1575-93, *Practice for Pressure Water Cleaning and Cutting* (revised standard).
- E 1687-95, *Test Method for Determining Carcinogenic Potential of Virgin Base Oils in Metalworking Fluids* (revised standard).

The following newly published standards are available from ASTM:

- A 962-97, *Specification for Common Requirements for Steel Fasteners or Fastener Materials, or Both, Intended for Use At Any Temperature From Cryogenic to the Creep Range* (new standard).
- D 6137-97, *Test Method for Sulfuric Acid Resistance of Polymer Linings for Flue Gas Desulfurization Systems* (new standard).
- D 6139-97, *Test Method for Determining the Aerobic Aquatic Biodegradation of Lubricants or Their Components using the Gledhill Shake Flask* (new standard).
- D 6160-97, *Test Method for Determination of Polychlorinated Biphenyls (PCBs) in Waste Materials by Gas Chromatography* (new standard).
- E 140-97, *Hardness Conversion Tables for Metals* (revised standard).
- E 1892-97, *Guide for Preparing Characterization Plans for Decommissioning Nuclear Facilities* (new standard).
- G 40-97, *Terminology Relating to Wear and Erosion* (revised standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Society of Mechanical Engineers (ASME)

Office: 345 East 47th Street
M/S 10C

New York, NY 10017

Fax: 212-705-8501

Contact: Alan Roby

- ASME TDP-1, *Recommended Practices for the Prevention of Water Damage to Steam Turbines Used for Electric Power Generation* (new standard).

American Society for Testing and Materials

Office: 100 Barr Harbor Drive
West Conshohocken, PA 19428

Fax: 610-832-9666

Contact: Bode Buckley, bbuckley@astm.org

- ASTM Z6779Z, *Practice for Hazard Analysis of the Life Threat Components of Fire* (new standard).

Contact: Stephen Mawn, smawn@astm.org

- ASTM Z7242Z, *New Standard Specification for Rating the Durability of Fenestration Products* (new standard).

Contact: Scott Orthey, sorthey@astm.org

- ASTM Z7131Z, *Guide for Absorbed-Dose Mapping in Radiation Processing Facilities* (new standard).

Underwriters Laboratories, Inc.

Office: 12 Laboratory Road
Research Triangle Park, NC 27709

Contact: Kay Dietrich, dietrichk@ul.com

- UL 913, *Standard for Safety for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations* (NOTE - This standard replaces ANSI/UL 913-1988 which was administratively withdrawn.) (new standard).

Contact: Deborah Prince, prince@ul.com

- UL 2119, *Standard for Safety for Protective Shielding Guards for Plumbing* (new standard).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, FAX 301-903-6172, Email Richard.Serbu@eh.doe.gov. If you have any questions or comments on DOE standards projects, please contact Don Spellman, Oak Ridge National Laboratory (ORNL), 423-574-7891, FAX 423-574-0382, Email spellmandj@ornl.gov.

Addresses: To update our distribution list, please contact Marty Marchbanks, ORNL, 423-241-3658, FAX 423- 574-0382, Email mmf@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email lj8@ornl.gov.



Standards *Actions*

United States Department of Energy

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